Pribilof Islands Restoration Advisory Board Meeting

February 13, 2003



NOAA's Update on Project Activities

Pribilof Islands RAB Meeting February 13, 2003

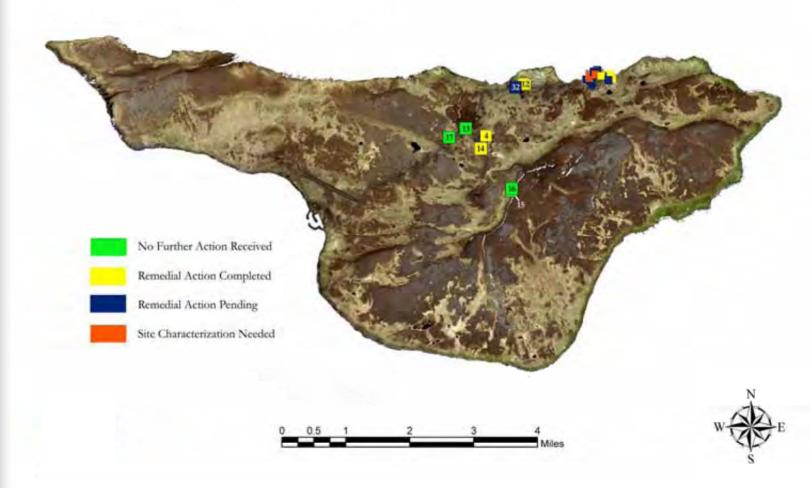


Project Totals

- 33 Sites on St. George (16 completed to date)
- 56 Sites on St. Paul (30 completed to date)

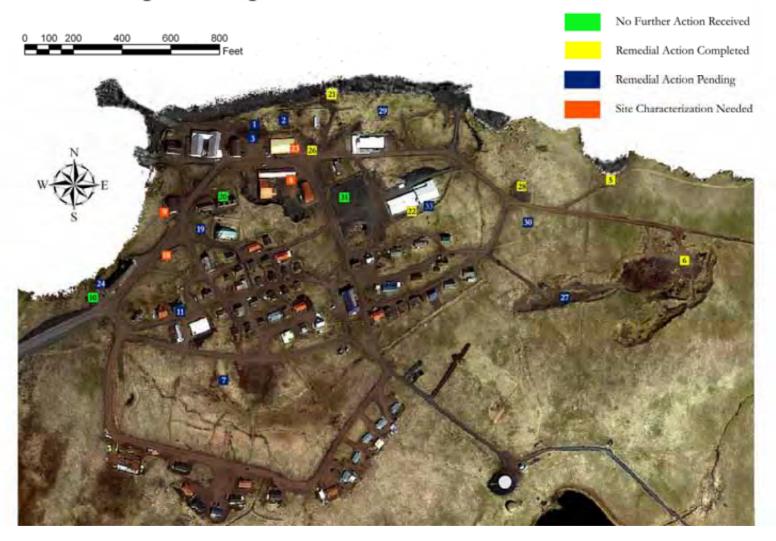


St. George Island Site Status

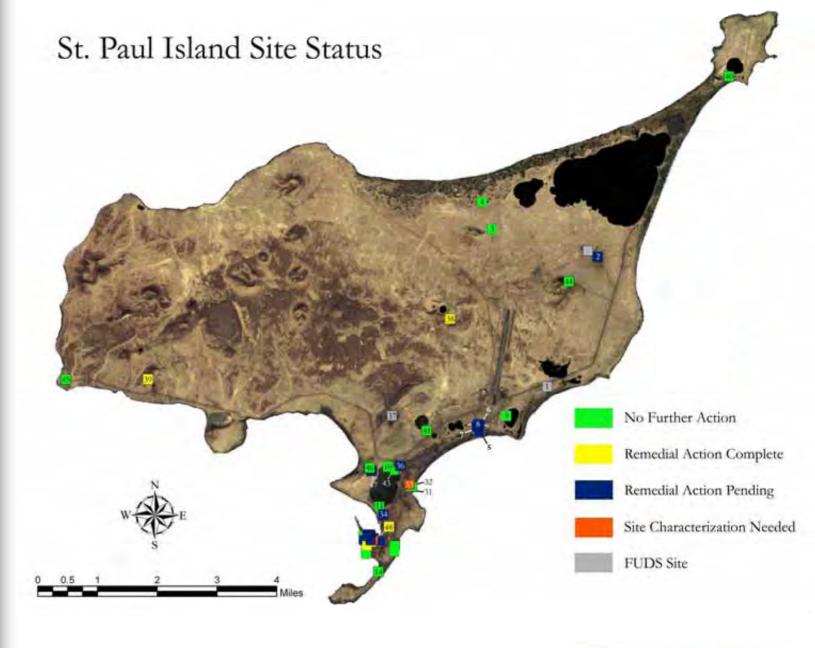




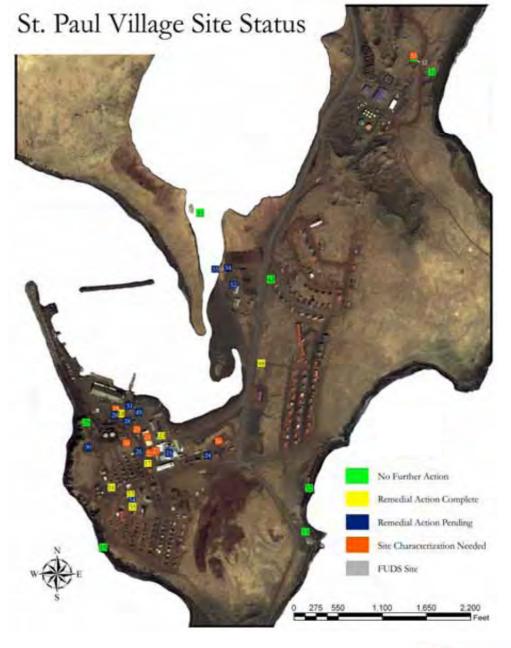
St. George Village Site Status









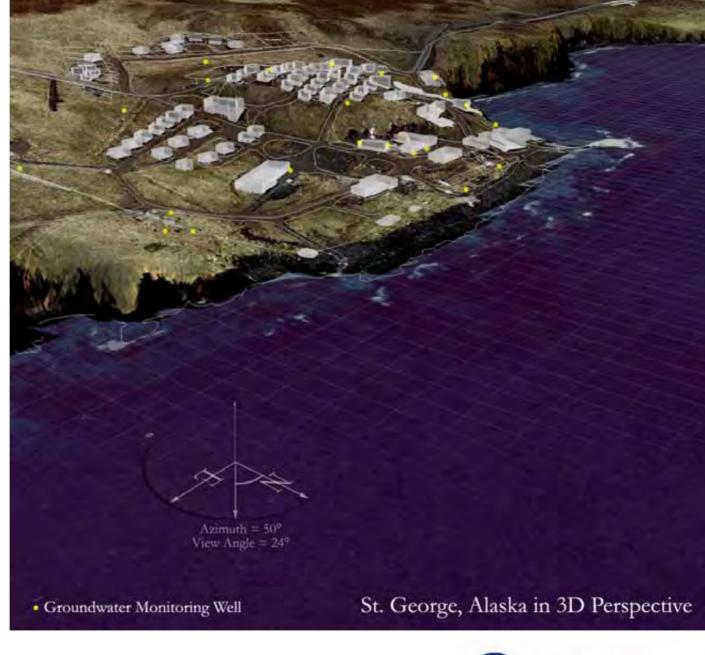




St. George Progress - 2002

- Installed 5 New Monitoring Wells
- 1 Round of Monitoring Well Sampling
- Test Pits and Sampling at TPA 19 Old Carpenter Shop
- Final Characterization Reports for TPA 19 – Old Carpenter Shop and TPA 23 – Inactive Diesel Tank Farm
- Draft Characterization Reports for TPA's 1, 2, and 3 – Oceanfront Sites, TPA 7 – Ballfield/Landfill, TPA 18 – Former Fuel Storage Area

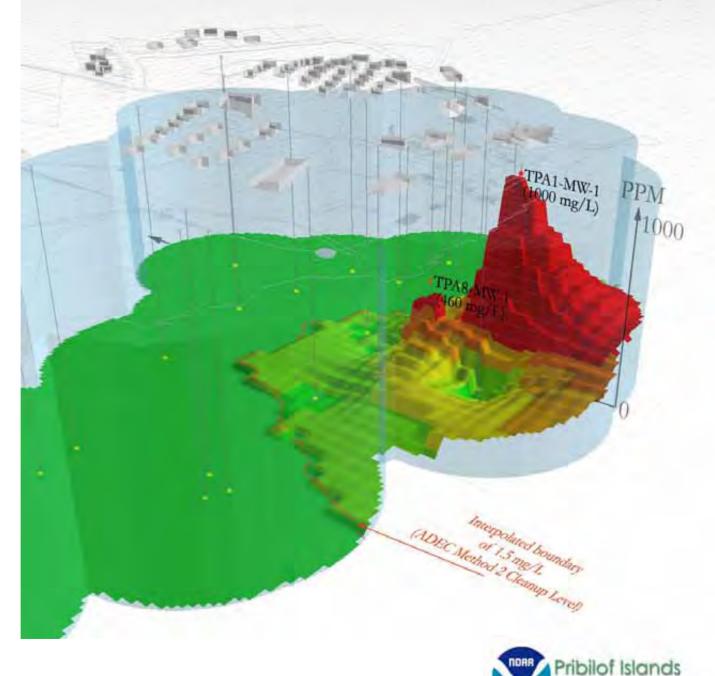






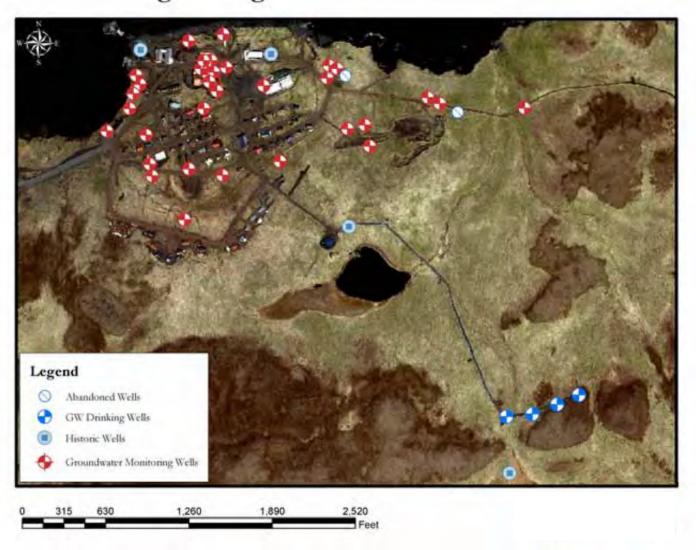






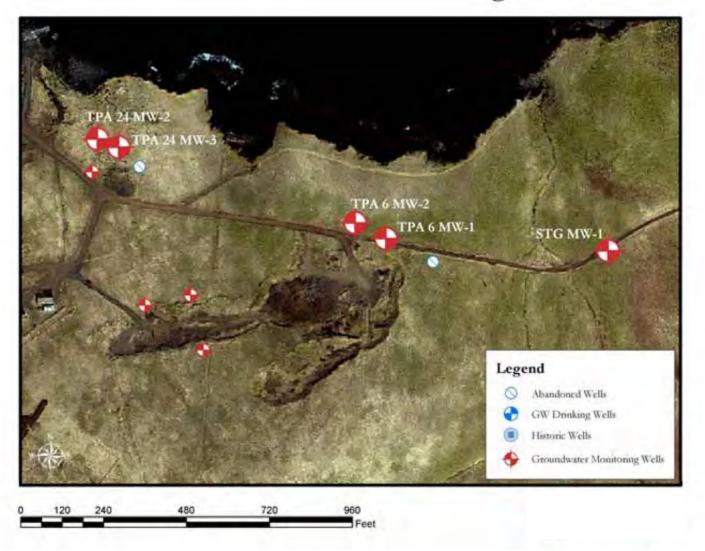


St. George Village Groundwater Well Network





New Groundwater Monitoring Wells

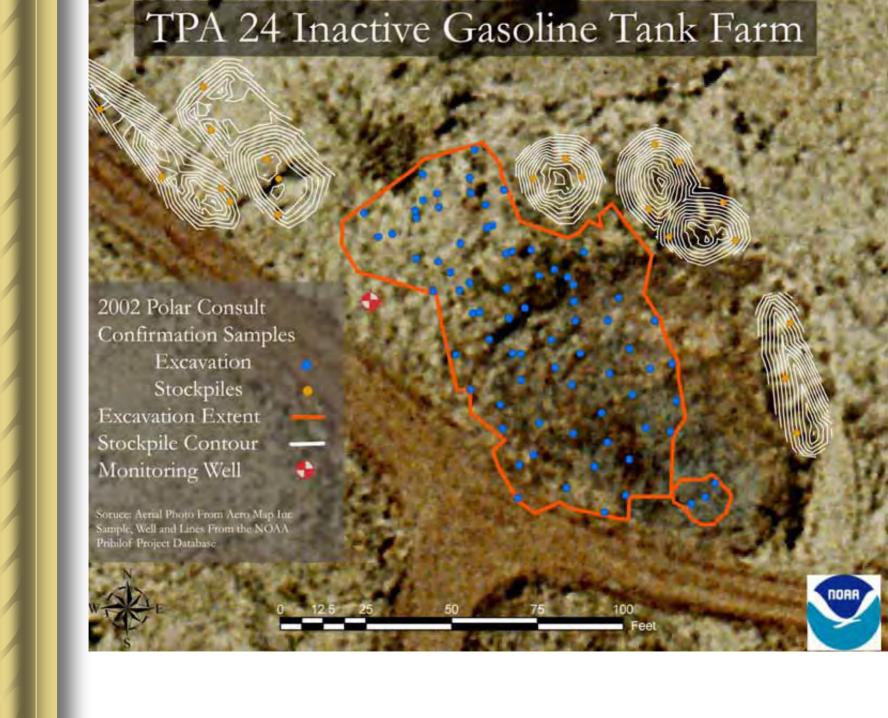


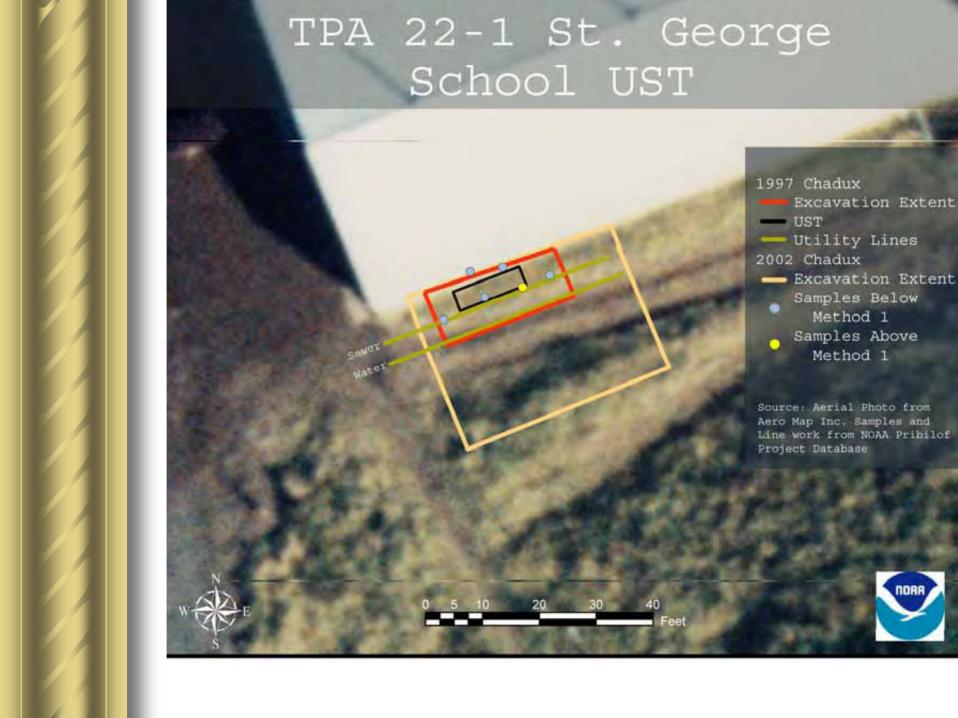


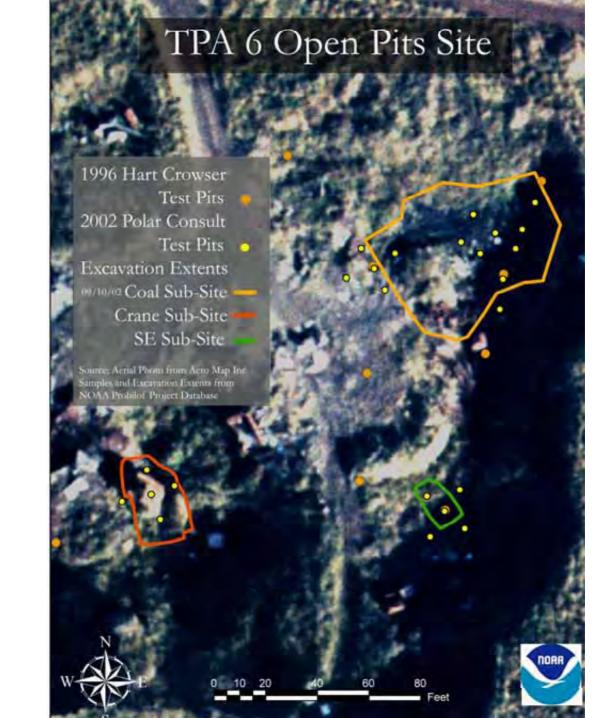
St. George Progress – 2002 (cont'd...)

- TPA 24 Inactive Gas Tank Farm: Finished cleanup
- TPA 22-1 School UST: Finished cleanup
- TPA 6 Open Pits: Finished cleanup
- TPA 19 Old Carpenter Shop: Started cleanup
- ETC Soil Treatment: 4 cells treated





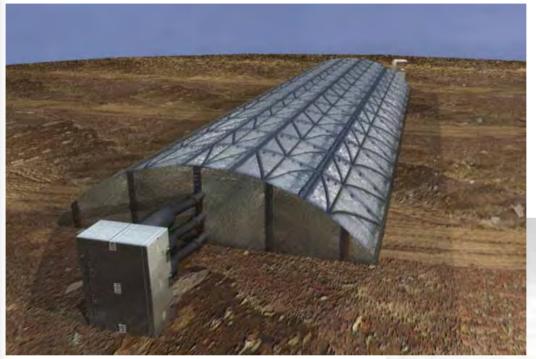








Enhanced Thermal Conduction





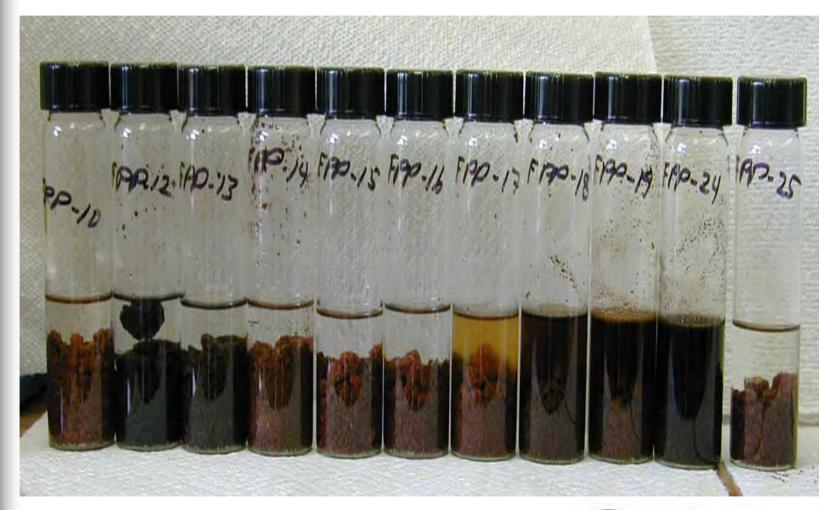


Project Innovations

- GPS for surveying during characterization, cleanup, and historic preservation (cemetery surveys)
- GIS for data visualization
- Thin Layer Chromatography for Semi-Quantitative Analysis of Soil Samples for DRO and RRO
- Soil-gas analyses to locate GRO and DRO contamination in soil and groundwater
- Track-mounted Geoprobe rig for soil sampling and well installation



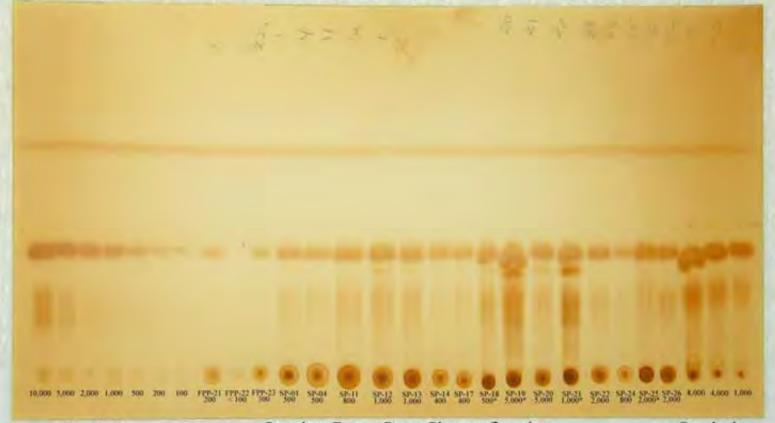
TLC – DCM Extraction





TLC – Developed Plate

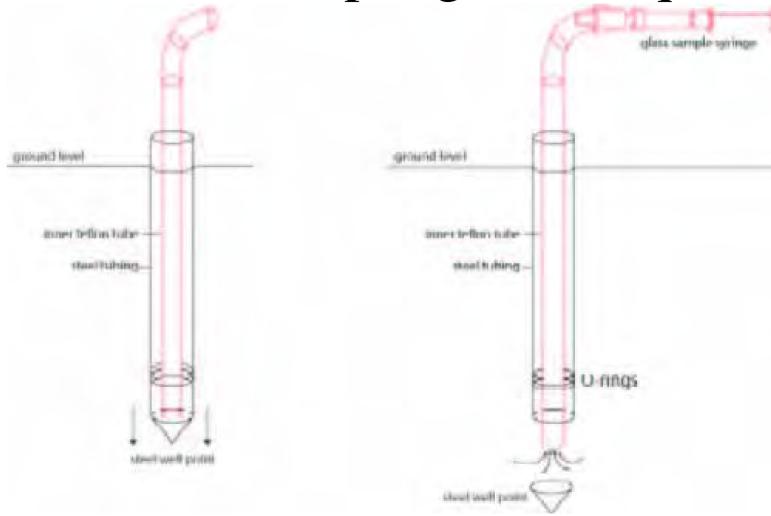
Total Petroleum Hydrocarbon as #2 Diesel Fuel and Motor Oil 10/30W (ppm)



Standards -#2 Diesel Fuel Samples - Former Power Plant confirmation and stockpile samples, 7/25/02 and 7/28/02 (* = possible motor oil contamination) Standards -Motor Oll 10/30W

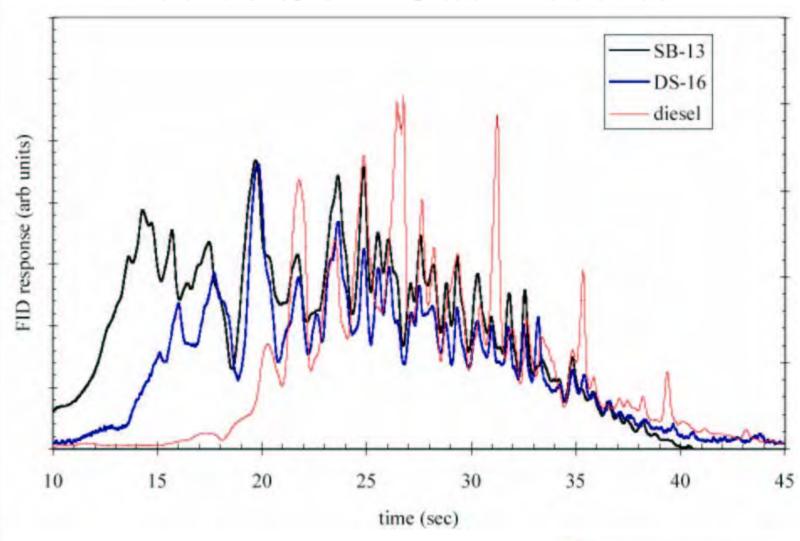


Soil-Gas Sampling Technique



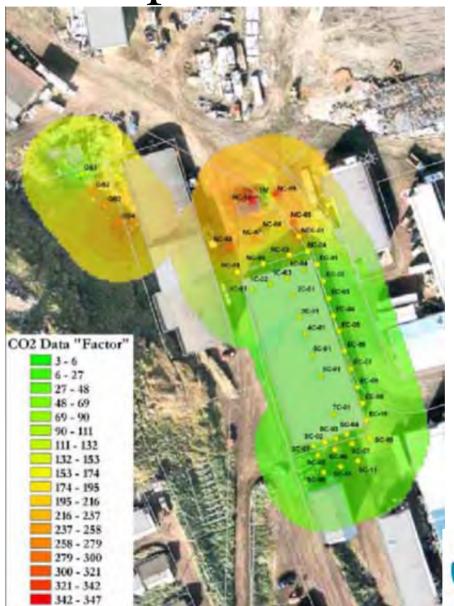


Active Soil-Gas Results





GIS Interpretation of Soil-Gas





New Track-Mounted Geoprobe







